

Amendments to the Claims:

Please amend the claims as shown. Applicant reserves the right to pursue any canceled claims at a later date.

1-13. (canceled)

14. (currently amended) A method for detecting a radio coverage in a multicellular mobile radio system with a plurality of base stations connected to an evaluation unit, comprising:

    providing a plurality of base stations in a normal operating mode, the base stations communicatively connected to an evaluation unit;

    switching at least one of the plurality of base stations from the normal operating mode to a measuring operating mode;

    measuring a field strength by the base station in the measuring operating mode of each of the base stations locally adjacent to the measuring base station, with the locally adjacent base stations in the normal operating mode;

    synchronizing the base station in the measuring operating mode with the base stations operating in normal mode;

    measuring a quality of the synchronicity after synchronizing; and

    sending each measured field strength and measured of synchronicity quality to the evaluation unit;

    switching the base station in the measuring operating mode to the normal operating mode, and

    evaluating the strength and quality by the evaluation unit;

    wherein the switching to the measuring operating mode, the measuring the field strength, the synchronizing, the measuring of the synchronicity quality, the sending, and the switching to the normal operating mode is repeated such that each of the plurality of base stations is switched to the measuring operating mode.

15. (currently amended) A method in accordance with claim 14,  
wherein the radio coverage is detected ~~is~~ in cycles, and  
wherein the step of evaluating the strength and quality by the evaluation unit provides a  
current evaluation result being based on measured field strength when one of the base stations is  
in a measuring operating mode and a comparison compared of measured field strength with a  
previous evaluation result.

16. (previously presented) A method in accordance with claim 14, wherein the  
evaluation unit automatically controls the base stations and automatically evaluates the measured  
field strength data.

17. (currently amended) A method in accordance with claim 14, further ~~comprises~~  
comprising modifying the mobile radio system by the evaluation unit based on a result of the  
evaluation.

18. (currently amended) A method in accordance with claim 14, wherein further  
~~comprising creating by the evaluation unit creates~~ a field string map for determining the position  
of a mobile unit.

19. (previously presented) A method in accordance with claim 14, wherein the mobile  
radio system is designed in accordance with a Digital Enhanced Cordless Telecommunications  
standard.

20. (currently amended) A method in accordance with claim 14, wherein provision of  
the measured field strength includes provision of a base station identifier.

21. (currently amended) A method in accordance with claim 20, wherein provision of  
the measured field strength includes provision of a base station identifier.

22. (currently amended) A method in accordance with claim 21, further comprising modifying the mobile radio system withby the evaluation unit based on a result of the evaluation.

23. (currently amended) A method in accordance with claim 22, further comprising creating by wherein the evaluation unit creates a field string map for determining the position of a mobile unit.

24. (currently amended) An arrangement for detecting a radio coverage in a multicellular mobile radio system, comprising:

an evaluation unit; and

a plurality of base stations communicatively connected to the evaluation unit, the plurality of base stations including, according to a first configuration:

a measuring base station operating in a measuring operating mode, and

a locally adjacent base station relative to adjacent to the measuring base station, the locally adjacent base station operating in a normal operating mode,

wherein the measuring base station measures a field strength of the locally adjacent base station and the measuring base station is synchronized with the locally adjacent base station, and

wherein the evaluation unit receives the measured field strength, and a measured quality of the synchronicity is determined, and the evaluation unit evaluates the measured field strength.

25. (currently amended) The arrangement as claimed in claim 24, wherein each the measured field strength is provided to the evaluation unit with includes an identification of the measured base station.

26. (previously presented) The arrangement as claimed in claim 24, wherein the evaluation unit modifies the mobile radio system based on a result of the evaluation.

27. (previously presented) The arrangement as claimed in claim 24, wherein the evaluation unit creates a field strength map for determining the position of a mobile unit.

28. (previously presented) The arrangement as claimed in claim 24, wherein the mobile radio system is designed in accordance with a Digital Enhanced Cordless Telecommunications standard.

29. (currently amended) The arrangement as claimed in claim 24, wherein the radio coverage is detected in cycles, and wherein a result of the current evaluation is compared with a result of a previous evaluation of measured field strength.

30. (currently amended) The arrangement as claimed in claim 29, wherein the measured field strength is provided to the evaluation unit with includes an identification of the measured base station.

31. (previously presented) The arrangement as claimed in claim 30, wherein the evaluation unit modifies the mobile radio system based on a result of the evaluation.

32. (previously presented) The arrangement as claimed in claim 31, wherein the evaluation unit creates a field strength map for determining the position of a mobile unit.

33. (previously presented) The arrangement as claimed in claim 32, wherein the mobile radio system is designed in accordance with a Digital Enhanced Cordless Telecommunications standard.